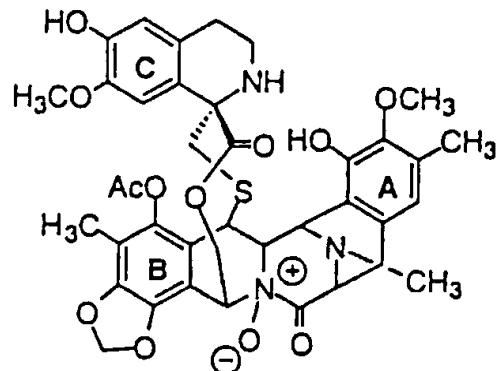
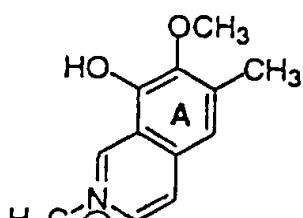
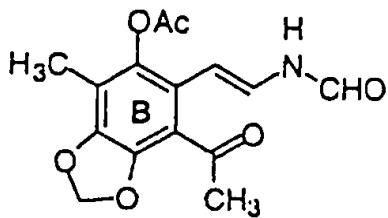


15

17. Metabolites of Ecteinascidin 743 formed by human cytochrome CYP3A4, said metabolites being selected from the group consisting of:



16

18. The Ecteinascidin 743 metabolite of Claim 17, designated herein as ETM-305.

17

19. The Ecteinascidin 743 metabolite of Claim 17, designated herein as ETM-204.

18

20. A pharmaceutical composition comprising one or more of the Eceteinascidin 743 metabolites of Claim 17 and a pharmaceutically acceptable diluent, excipient or carrier.

19

21. The pharmaceutical composition of Claim 20, wherein the

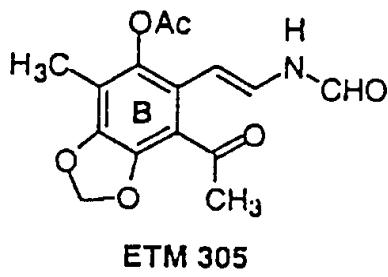
Ecteinascidin 743 metabolite is designated herein as ETM-305.

20

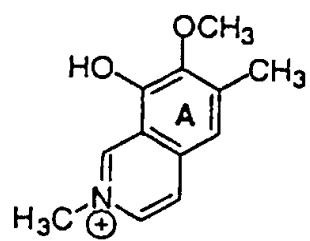
22. The pharmaceutical composition of Claim 20, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-204.

21

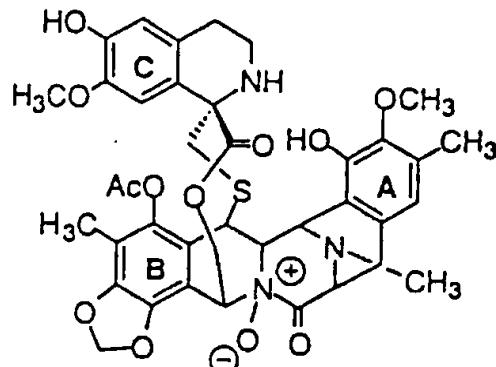
23. A method of treating mammalian leukemia in patients in need of such treatment, said method comprising administering an effective amount of a metabolite of Ecteinascidin 743 formed by human cytochrome CYP3A4 to said patient in unit dosage form, said metabolite being selected from the group consisting of:



ETM 305



ETM 204



ETM 775

or mixtures thereof.

22

24. The method of claim 23, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-305.

23

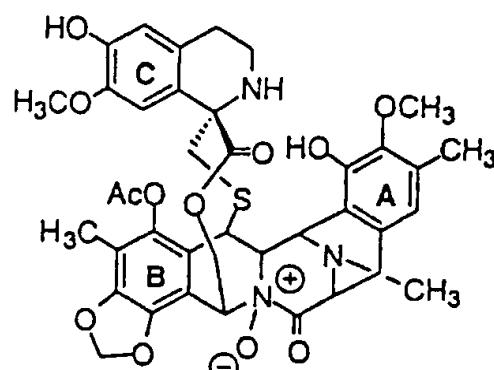
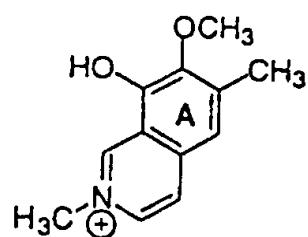
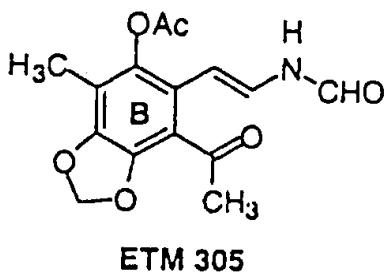
25. The method of Claim 23, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-204.

24

26. The method of Claim 23, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-775.

25

27. A method of treating mammalian lung carcinoma in patients in need of such treatment, said method comprising administering an effective amount of a metabolite of Ecteinascidin 743 formed by human cytochrome CYP3A4 to said patient in unit dosage form, said metabolite being selected from the group consisting of:



ETM 204

or mixtures thereof.

26

28. The method of Claim 27, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-305.

27

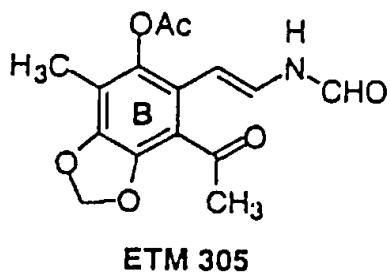
29. The method of Claim 27, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-204.

28

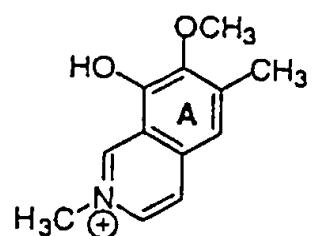
30. The method of Claim 27, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-775.

29

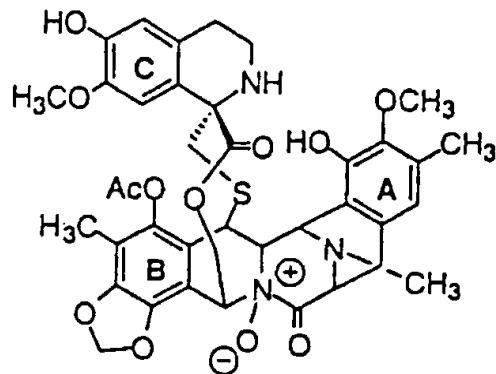
31. A method of treating mammalian colon adenocarcinoma in patients in need of such treatment, said method comprising administering an effective amount of a metabolite of Ecteinascidin 743 formed by human cytochrome CYP3A4 to said patient in unit dosage form, said metabolite being selected from the group consisting of:



ETM 305



ETM 204



ETM 775

or mixtures thereof.

30

32. The method of Claim 31, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-305.

31

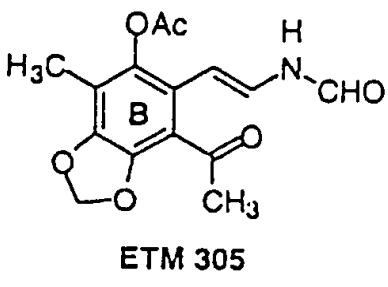
33. The method of Claim 31, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-204.

32

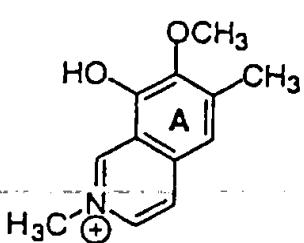
34. The method of Claim 31, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-775.

33

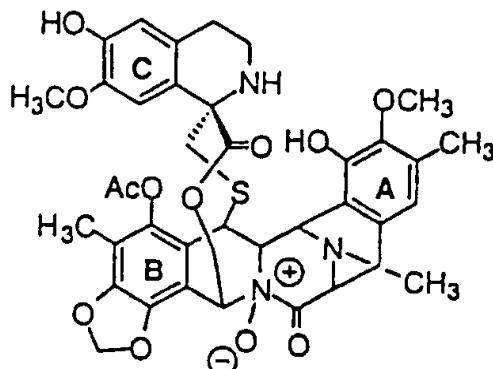
35. A method of treating mammalian malignant melanoma in patients in need of such treatment, said method comprising administering an effective amount of a metabolite of Ecteinascidin 743 formed by human cytochrome CYP3A4 to said patient in unit dosage form, said metabolite being selected from the group consisting of:



ETM 305



ETM 204



ETM 775

or mixtures thereof.

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cont

34

36. The method of claim 35, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-305.

35

37. The method of Claim 35, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-204.

36

38. The method of Claim 35, wherein the Ecteinascidin 743 metabolite is designated herein as ETM-775.

37

40. A method of assaying the human cytochrome CYP3A4 metabolism of Ecteinascidin 743, comprising monitoring a test sample for the presence of one or more metabolites selected from the group consisting of ETM-204, ETM-305 and ETM-775.

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